

THIRD-ORDER LEVELING  
SEA LEVEL DATUM OF 1929

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

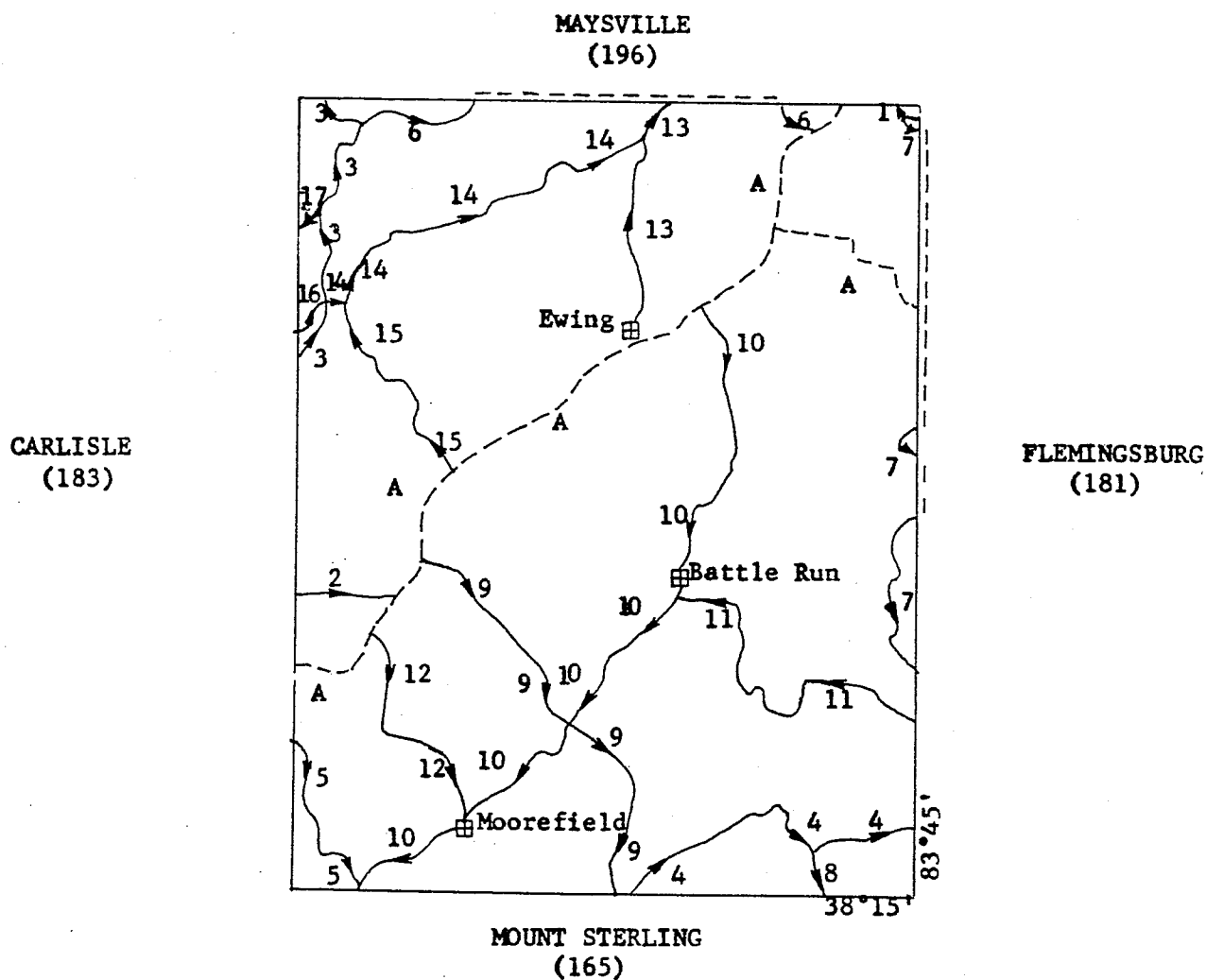
38-083-34  
COWAN QUADRANGLE  
182 KENTUCKY  
N3815-W8345/15  
DIAGRAM NJ 17-4  
HUNTINGTON

Bath, Fleming, Mason,  
Nicholas, and Robertson  
Counties

Final adjustment of 1951

Edition of 4/29/74

PR: LFB/mid



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 380833

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
TT STA NO 22 M 1929	3, 5	28 ATA 1950 843	8
TT STA NO 14 TN 1930 648	4, 6	29 ATA 1950 894	8
TT STA NO 15 TN 1930	4	30 ATA 1950 730	8, 10
TT STA NO 21 TN 1930	5	31 ATA 1950 966	8
TT STA NO 26 TN 1930 695	3, 11, 12	32 ATA 1950 987	8, 10
TT STA NO 27 TN 1930 857	4, 12	33 ATA 1950 858	9
TT STA NO 28 TN 1930	4	34 ATA 1950 933	9
TT 46 TN 1930	5	35 ATA 1950 934	9
TT 57 TN 1930 909	7	36 ATA 1950 837	9
TT 50 TN 1930	3	37 ATA 1950 953	9
TT 54 TN 1930 935	6	38 ATA 1950 990	10
TT 59 TN 1930	3	40 ATA 1950 906	10
TT 60 TN 1930	3	41 ATA 1950 941	11, 11
TT 61 TN 1930	3	42 ATA 1950 699	12
NOT STAMPED (882.608)	3	43 ATA 1950 762	11, 12
9 JDN 1949 771	5	44 ATA 1950 920	11
10 JDN 1949 879	6	45 ATA 1950 901	11
23 ATA 1950 662	7	NOT STAMPED (602.462)	12
24 ATA 1950 702	7	907	10
25 ATA 1950 745	7, 8		
26 ATA 1950 654	7	<u>NGS</u>	
		F 33 1935	6
		G 33 1935	11
		M 33 1935	7

## ISOLATED BENCH MARKS (By G. J. Cheney, 1930; Book B 3058)

Feet

Myers, 0.5 mi S. of; at crossing of Scrub Grass Pike and Louisville & Nashville RR.; 250 ft S. and 56 ft W. of SW. corner of bridge No. 83; 25 ft S. and 11 ft W. of stop signal; standard tablet stamped "TT 61 TN 1930" (Reported not found, 1952) 665.231

Myers, 2.3 mi NE. of; at Licking River; N. along W. rail; 420 ft from NW. corner of bridge No. 82; 24 ft W. of W. rail; 41 ft E. of N. end of gate in lane; standard tablet stamped "TT 60 TN 1930" 647.097

Cowan, 93 ft S. and 14 ft E. of SE. corner of post office and general store; 1.5 ft W. of fenceline on property of T. Alexander; standard tablet stamped "TT 59 TN 1930" (Reported not found, 1952) 912.211

Flemingsburg Junction, on farm of W. M. Dearing; 27 ft N. and 29 ft W. of NW. corner of house; 2 ft N. and 25 ft E. of fenceline; standard tablet (not stamped) (Reported not found, 1952) 882.608

Helena, 26 ft S. of gate on lot of W. W. Robb; 84 ft N. and 21 ft W. of NW. corner of sta.; standard tablet stamped "TT 50 TN 1930" (Tied by NGS, 1935) (Stamped by T.T. Fieldman 1930) 873.302

LINE 1.

By C. E. Walker, 1929; Book B 3517

Wedonia, 0.3 mi S. of; 33 ft N. thence 20 ft E. from T-rd. to Mount Carmel; 5 ft W. of wire fence; in concrete post; standard tablet stamped "TT STA NO 22 M 1929" 816.662

Reference mark, 80 ft S. of T-rd. E.; on NE. corner of concrete bridge; chiseled square 820.28

LINE 2.

By C. E. Walker, 1930; Book B 3696

U.E., Meyers, 0.8 mi S. of; on SW. corner of W. abutement of bridge No. 184; chiseled cross (Tied by NGS, 1935) 680.71

LINE 3.

By C. E. Walker, 1930; Book B 3676

Blue Lick Springs, 0.5 mi NE. of; along State Highway 68, 25 ft W. of centerline of rd.; 210 ft N. of walk to front entrance of Battle Grounds Church; post is 48 ft N. and 30 ft E. of fence corner; 25 ft S. and 10 ft W. of trunk of dead tree with sign "Blue Lick Battle Grounds Ky. State Park No. 5" in concrete post; standard tablet stamped "TT STA NO 26 TN 1930 695" 692.101

LINE 3. (Cont'd)Feet

U.E., Blue Lick, 3.0 mi N. of; about 0.18 mi E. of Burika School;  
in N. angle of T-rd. NE.; on S. end of concrete headwall; chiseled  
square 664.62

Blue Lick Springs, 3.5 mi N. of; at store of T. C. Craig; on Blue  
Lick-Sardis Pike; 40 ft N. of intersection of Blue Lick-Sardis and  
Coleman-Mount Pleasant Pikes; in field belonging to Jessie Stewart;  
1 ft N. of fenceline; in concrete post; standard tablet stamped  
"TT STA NO 27 TN 1930 857" 857.415

Mount Olivet, 5.8 mi SE. of; at intersection of Blue Lick-Sardis rd.  
and Ogden Hill rd.; 30 ft N. of centerline of Blue Lock-Sardis Pike;  
100 ft E. of ford on Bakers Branch; where a new bridge is to be  
constructed; in SE. corner of field; in concrete post; standard  
tablet stamped "TT STA NO 28 TN 1930" 677.316

LINE 4.

By C. E. Walker, 1930; Book B 3676

Bethel, 1.9 mi E. of; on Flemingsburg-Mount Sterling Pike, 20 ft N.  
and 35 ft W. of junction of second-class T-rd. N.; 2 ft S. and 3  
ft W. of SE. corner of field; 1 ft S. of fenceline; in concrete  
post; standard tablet stamped  
"TT STA NO 15 TN 1930" (Reported destroyed, 1951) 921.600

U.E., Sherburne, 0.6 mi W. of; 20 ft NE. of rd. forks; on N. end  
of stone culvert; chiseled square 694.29

U.E., Sherburne; on S. side of Licking River; on SW. corner of  
concrete porch to store of L. L. Emmon; chiseled square 635.89

Sherburne, 1.0 mi S. of; on East Fork Road; 40 ft W. of forks of  
private rd. SW.; 5 ft S. and 5 ft E. of NE. corner of front yard  
of Charles Davis; in concrete post; standard tablet stamped  
"TT STA NO 14 TN 1930 648" (Reported destroyed, 1951) 647.755

LINE 5.

By C. E. Walker, 1930; Book B 3696

U.E., Carlisle, 2.0 mi SE. of; 40 ft S. of gate to dwelling of  
Gilbert Duncan; on W. side of rd.; on top of stone culvert;  
chiseled square 896.90

U.E., Carlisle, 3.3 mi SE. of; 300 ft S. of dwelling of W. P. Ham;  
100 ft N. of T-rd. E.; on SW. corner of concrete bridge; chiseled  
square 902.60

LINE 5. (Cont'd)Feet

Carlisle, 4.0 mi SE. of; on Carlisle-East Union Road; 20 ft S. of centerline of rd.; 50 ft S. and 5 ft W. of NW. corner of Henry School; in NE. corner of field; in concrete post; standard tablet stamped "TT STA NO 21 TN 1930" (Reported not found, 1953) 882.911

Reference mark, 40 ft S. of Henry School; on S. corner of concrete bridge; chiseled square 884.77

U.E., Henry School; 1.0 mi S. of; 2.25 mi NW. of East Union; on S. corner of concrete bridge; chiseled square 852.84

U.E., East Union, 1.3 mi N. of; 400 ft N. of Quarry; on SW. corner of concrete bridge; chiseled square 827.94

LINE 6.

By C. E. Walker, 1930; Book B 3696

Oakwood Church, 20 ft N. and 10 ft E. of NE. corner of; 18 ft E. of concrete walk to church; 34 ft S. of corner of Fleming, Mason, and Robertson counties; in concrete post; standard tablet stamped "TT 46 TN 1930" 946.433

LINE 7.

By J. D. Nikolaus, 1949; Book AV 98

"TT STA NO 22 M 1929" (Described in line 1) 816.662

/Jogs into Flemingsburg quadrangle/

U.E., on West side of Hwy 11; opposite white framehouse on E. side of rd.; 55 ft W. of corner fencepost; 42 ft N. of power pole; in N. end of concrete culvert headwall; chiseled square 793.91

/Jogs into Flemingsburg quadrangle/

U.E., on W. side of hwy 11; in center of concrete culvert headwall; at S. end of large field; chiseled square 758.19

U.E., 20 ft E. of centerline of hwy; 95 ft NE. of suspension bridge over creek; in NW. corner of concrete culvert headwall; chiseled square 757.32

Flemingsburg, 5.6 mi S. of; 1.3 mi N. of Tilton; 16 ft S. and 18 ft W. of intersection of hwy 11 and driveway to barn; about 150 ft SE. of E. corner of large barn; on bank 3 ft W. of fence; set in concrete post, standard tablet, stamped "JDN 9 1949 771" 770.777

LINE 7. (Cont'd.)Feet

Reference mark, 315 ft S. of tablet; 20 ft W. of centerline of rd.; in N. corner of concrete culvert headwall; chiseled square 776.26

U.E., Tilton, 0.8 mi N. of; 15 ft W. of centerline of State Highway 11; 40 ft NE. of concrete wall around spring; on SW. corner of headwall of concrete culvert; chiseled square 800.73

Tilton, 33.4 ft NE. of NE. corner of Christian Church; 60 ft W. of centerline of State Highway 11; 10 ft N. of large maple tree; 3 ft W. of concrete walk; in concrete post; standard tablet stamped "JDN 10. 1949 879" 878.539

Reference mark, 75 ft S. of tablet; 30 ft W. of centerline of State Highway 11; on NE. corner of first concrete step leading into church; chiseled square 871.92

U.E., Tilton, 33 ft S. of junction of State Highway 11 and graveled rd.; E.; 50 ft SW. of store; on NW. corner of headwall of concrete culvert; chiseled square 831.41

Tilton, 0.6 mi SE. of; 25 ft N. and 10 ft E. of intersection of Days Mill-Tilton Pike and T-rd. E. to Hillsboro; 15 ft E. of SW. corner of pasture; in concrete post; standard tablet stamped "TT 54 TN 1930 935" (Reported disturbed, 1952) 935.091

Reference mark, 145 ft SE. of tablet; on N. side of rd.; in base of S. side of power-line pole; rail spike 943.12

U.E., Tilton, 1.1 mi SE. of; about 500 ft N. of Y-rd forks; at wooden bridge over small creek; in SW. end of W. guardrail; copper nail and washer 812.54

LINE 8.

By A. T. Adams, 1950; Book AV 182

"TT STA NO 14 TN 1930 648" (Described in line 4) 647.755

U.E., Sherburne, 2.4 mi SE. of; in SW. abutment of bridge; chiseled square 732.41

LINE 9.

By A. T. Adams, 1950; Book AV 182

"F 33 1935" (NGS) 640.438

U.E., Myers, 1 mi SE. of; W. end of concrete headwall on N. side of rd.; chiseled square 627.48

LINE 9. (Cont'd)Feet

Myers, 2.3 mi SE. of; along State Highway 32 and Cassidy Creek rd.; about 150 ft SE. of old school building; 2 ft S. and 18 ft E. of SW. corner of garden; 17 ft N. of centerline of rd.; in concrete post; standard tablet stamped "23 ATA 1950 662"	661.756
Reference mark, 90 ft W. of tablet; in W. end of N. culvert headwall; chiseled square	663.14
U.E., Myers, 3.6 mi SE. of; on NW. corner of NE. culvert headwall; chiseled square	691.37
Myers, 4.6 mi SE. of; along State Highway 32 and Cassidy Creek rd.; 69 ft SE. of junction with private drive SE.; 18 ft NE. and 5 ft lower than rd.; 11 ft SW. of and level with private rd.; in concrete post; standard tablet stamped "24 ATA 1950 702"	701.547
Reference mark, 66 ft SW. of tablet; in center of W. headwall of culvert; chiseled square	705.02
Sprout, 5.9 mi SE. of Myers; 123 ft S. of intersection of State Highway 57 and Bethel-Sprout rd.; 24 ft E. of centerline of State Highway 57; in N. end of E. concrete headwall of culvert; standard tablet stamped "25 ATA 1950 745"	745.140
Reference mark, 54 ft SW. of tablet; in N. end of W. concrete headwall of culvert; chiseled square	743.15
Bethel, 2.6 mi N. of; along Bethel-Sprout rd.; 70 ft SW. of; and 5 ft lower than Y-intersection of rds.; 37 ft N. of N. corner of bridge; 11 ft NE. of 24-in walnut tree; in concrete post; standard tablet stamped "26 ATA 1950 654"	653.870
Reference mark, 37 ft S. of tablet; in N. corner of NE. abutment of bridge; chiseled square	655.73
U.E., Bethel, 1.3 mi N. of; SE. corner of concrete bridge; chiseled square	698.76

LINE 10.

By A. T. Adams, 1950; Book AV 182

"M 33 1935" (NGS)	849.070
Elizaville Presbyterian Church, 3 ft N. and 10 ft W. of NE. corner of building; 12 ft E. of front door of church; in concrete post; standard tablet stamped "TT 57 TN 1930 909"	908.954
Reference mark, 20 ft NW. of tablet; in NE. corner of sidewalk leading to Elizaville Presbyterian Church; chiseled square	909.39

LINE 10. (Cont'd)Feet

Elizaville, 2.4 mi S. of; along State Highway 170; 51 ft W. of; and 1 ft higher than hwy; 21 ft S. of and 3 ft E. of NE. corner of C. F. Burns yard; 15 ft S. of 28-in maple tree; in concrete post; standard tablet stamped "28 ATA 1950 843"	843.311
Reference mark, 50 ft NE. of tablet; in center of concrete headwall of culvert; chiseled square	842.08
U.E., Elizaville, 3.0 mi S. of; NW. abutment of covered wooden bridge; chiseled square	683.44
Hilltop, 40 ft NE. of centerline of intersection of State Highways 57 and 170; 1 ft S. of rockwall, 21 ft E. of maple tree; in concrete post; standard tablet stamped "29 ATA 1950 894"	894.186
Reference mark, 60 ft W. of tablet; in NE. corner of gas pump concrete footings in front of Neal's General Store; chiseled square	892.47
Battle Run, 0.5 mi S. of; along State Highway 57; 45 ft E. of; 3 ft lower than intersection of State Highway 57 and rd. SE.; 12 ft NW. of sycamore tree; in W. fence corner of pasture; in concrete post; standard tablet stamped "30 ATA 1950 730"	729.209
Reference mark, 40 ft N. of tablet; in NE. corner of SE. wingwall of culvert; chiseled square	731.78
U.E., Battle Run, 2.0 mi SW. of; on SE. edge of rd. opposite lane SE.; in large rock; chiseled square	626.20
"25 ATA 1950 745" (Described in line 9)	745.140
U.E., Sprout, 0.8 mi SW. of; in W. end of concrete headwall of culvert on N. side of hwy; chiseled square	830.18
Moorefield, 2.1 mi NW. of; along State Highway 57; 54 ft E. of; 4 ft higher than intersection of hwy. with county rd. SE.; 11 ft E. and 5 ft N. of NW. fence corner of lot; in concrete post; standard tablet stamped "31 ATA 1950 966"	965.955
Reference mark, 45 ft W. of tablet; in center of W. headwall of culvert; chiseled square	961.96
Moorefield, 63 ft SE. of SE. corner of Moorefield Methodist Church; 30 ft N. of centerline of hwy; 15 ft SE. of 32-in maple tree; 9 ft E. of end of stonewall; in concrete post; standard tablet stamped "32 ATA 1950 987"	986.796
Reference mark, 33 ft E. of tablet; in center of W. headwall of culvert under church drive; chiseled square	986.55



LINE 10. (Cont'd)Feet

Moorefield, 1.4 mi SW. of; along State Highway 57; 30 ft W. of junction of T-rd. with State Highway 36; 1 ft E. of W. fence corner of pasture; in concrete post; standard tablet stamped "36 ATA 1950 837"	836.790
Reference mark, 9 ft E. of tablet; in large rock; 21 ft W. of intersection of State Highway 57 and rd. N. (Marking not described)	837.20
U.E., Moorefield, 2.6 mi SW. of; 18 ft NW. of junction of rd. and private drive N.; 9 ft N. and 3 ft S. of S. corner of pasture; in flat rock; 4 ft W. of centerline of drive; chiseled square	823.74

LINE 11.

By A. T. Adams, 1950; Book AV 182

U.E., Concord, 1.4 mi E. of; in SE. masonry abutment of bridge; chiseled square	720.37
Concord, 100 ft SE. of; and about 20 ft higher than intersection of State Highway 11 and private rd. E.; 3 ft N. and 5 ft E. of NW. corner of Concord Church; in concrete post; standard tablet stamped "33 ATA 1950 858"	857.841
Reference mark, 7 ft NE. of tablet; in NW. corner of concrete apron in front of Concord Church; chiseled square	858.36
U.E., Concord, 1.1 mi W. of; along rd.; on S. wingwall of cattle guard; chiseled square	744.14
U.E., Concord, 1.9 mi W. of; along rd.; 40 ft NW. of intersection of country rd.; in large flat rock on SW. side of creek bed; chiseled square	675.42
U.E., Concord, 2.3 mi NW. of; 33 ft N. of junction of T-rds.; in SE. masonry abutment of bridge; chiseled square	652.20
Battle Run, 1.7 mi E. of; thence 2.0 mi S. of along dirt rds.; 24 ft NE. of and 1 ft higher than junction of rd. with rd. SE.; 3 ft NE. of SW. corner pasture; in concrete post; standard tablet stamped "34 ATA 1950 933"	933.194
Reference mark, 520 ft N. of tablet; in NW. corner of sidewalk leading to house on W. side of rd.; chiseled square	907.28
Battle Run, 1.7 mi SE. of; along county rds.; 45 ft SE. of T-rd. intersection; 30 ft E. and 1 ft N. of NW. corner of pasture; in concrete post; standard tablet stamped "35 ATA 1950 934"	933.844
Reference mark, 140 ft E. of tablet; on S. side of rd.; in N. corner of sidewalk leading to house; chiseled square	921.46

LINE 11. (Cont'd)Feet

"30 ATA 1950 730" (Described in line 10) 729.209

LINE 12.

By A. T. Adams, 1950; Book AV 182

U.E., Myers, 1.3 mi S. of; on NW. corner of N. abutment of bridge  
No. 87; chiseled cross (Tied by NGS, 1935) 712.74

Moorefield, 4.2 mi NW. of; along county rd.; 18 ft S. of Y-rd SW.;  
8 ft NE. of 20-in locust tree; 3 ft SE. of fence; in pasture; standard  
tablet stamped "37 ATA 1950 953" (Reported destroyed, 1972) 953.450

Reference mark, 30 ft NE. of tablet; in pasture; in large flat rock;  
chiseled square 955.06

U.E., Moorefield, 2.9 mi NW. of; about 120 ft E. of junction of  
county rd. with State Highway 36; on N. side of hwy.; in W. end of  
concrete headwall of culvert; chiseled square 980.77

Moorefield, 2.2 mi NW. of; along State Highway 36; 95 ft E. of junction  
of hwy. and county rd. NE.; 3 ft S. and 60 ft E. of SW. fence corner  
of Ben S. Hardwick's yard; 18 ft E. of Lombardy poplar tree; in  
concrete post; standard tablet stamped "38 ATA 1950 990" 990.143

Reference mark, 30 ft W. of tablet; in NE. corner of concrete well  
cover; chiseled square 995.34

"32 ATA 1950 987" (Described in line 10) 986.796

LINE 13.

By A. T. Adams, 1950; Book AV 182

Ewing, 10 ft N. and 128 ft W. of NW. corner of L. & N. RR. sta.; 46  
ft SW. of 30-in elm tree; in center of triangular intersection of  
rds.; in concrete post; standard tablet stamped "907" 906.713

Reference mark, 6 ft NW. and 1 ft SW. of S. corner of RR. sta.; in  
sidewalk; chiseled square 906.37

U.E., Ewing, 1.0 mi N. of; in W. corner of top concrete step of  
sidewalk leading to house; on NW. side of rd.; chiseled square 955.49

U.E., Ewing, 2.6 mi N. of; in W. abutment of bridge; chiseled square 755.65

Ewing, 2.9 mi N. of; along Ewing-Mayslick rd.; 72 ft NW. of; and 2  
ft higher than junction of rd. with county rd. W.; 15 ft N. and  
2 ft E. of SE. corner of pasture; in concrete post; standard tablet  
stamped "40 ATA 1950 906" 906.271

Reference mark, 90 ft W. of tablet; in root on NE. side of 28-in  
walnut tree; copper nail and washer 904.75

LINE 13. (Cont'd.)Feet

Mayslick, 2.5 mi SW. of; along U. S. Highway 68; 100 ft NE. of; and 4 ft lower than intersection of U. S. Highway 68 and State Highway 367; 50 ft E. and 3 ft S. of SW. corner of pasture; in concrete post; standard tablet stamped "41 ATA 1950 941" 940.728

Reference mark, 780 ft NE. of tablet; on SE. side of rd.; in SW. corner of concrete headwall of culvert; chiseled square 924.00

LINE 14.

By A. T. Adams, 1950; Book AV 182

"TT STA NO 26 TN 1930 695" (Described in line 3) 692.101

Blue Lick Battle Field, 1.0 mi NW. of; along State Highway 68; 42 ft N. of intersection of U. S. Highway 68 and Licking Pike; 36 ft W. of centerline of drive to house; 27 ft W. of 50-in oak tree; 3 ft S. of fence; in concrete post; standard tablet stamped "43 ATA 1950 762" 761.514

Reference mark, 170 ft W. of tablet; in center of W. headwall of culvert under private drive to barn; chiseled square 754.96

Fairview, 0.7 mi W. of; 25 ft E. of drive to Stanley Fulton's barn; 3 ft S. of; and 15 ft E. of fence corner of barnyard; in concrete post; standard tablet stamped "44 ATA 1950 920" (Reported Destroyed, 1973) 919.854

Reference mark, 180 ft E. of tablet; on SW. corner of NW. headwall of culvert; chiseled square 916.76

U.E., Fairview, 0.6 mi NE. of; in NE. end of headwall of culvert on SE. side of rd.; chiseled square 903.60

Fairview, 2.8 mi NE. of; along U. S. Highway 68; 75 ft NW. of; and 6 ft higher than junction of U. S. Highway 68 and county rd. N.; 25 ft S. of 60-in oak tree; 35 ft S. of private drive to house; in concrete post; standard tablet stamped "45 ATA 1950 901" 900.676

Reference mark, 180 ft W. of tablet; in W. end of concrete headwall of culvert on N. side of hwy; chiseled square 894.87

U.E., Fairview, 4.0 mi NE. of; in NE. corner of concrete headwall of culvert on SE. side of rd.; chiseled square 942.29

"41 ATA 1950 941" (Described in line 13) 940.728

LINE 15.

By A. T. Adams, 1950; Book AV 182

"G 33 1935" (NGS) 639.244

LINE 15. (Cont'd.)Feet

U.E., Pleasant Valley, on SW. side of RR. sta.; in NW. corner of bottom step leading to track; chiseled square	695.32
Blue Licks, 3.2 mi SE. of; along Licking Pike; 18 ft N. of junction of Y-rd. fork; 14 ft W. of 24-in maple tree; 4 ft S. of SW. corner of pasture; in concrete post; standard tablet stamped "42 ATA 1950 699"	698.913
Reference mark, 70 ft N. of tablet on top concrete step of sidewalk leading to house (marking not described)	701.86
U.E., Blue Licks, 1.2 mi SE. of; in bottom stone step of step leading to house; on NE. side of rd.; chiseled square	689.81
"43 ATA 1950 762" (Described in line 14)	761.514

LINE 16.

By Fred Ludke, 1950; Book AV 180

Blue Licks Spring; at iron bridge over Licking River; mortared into top of upstream NE. abutment retaining wall; standard USGS gaging station tablet (marking not described)	602.462
"TT STA NO 26 TN 1930 695" (Described in line 3) (Also in line 14)	692.101

LINE 17.

By Fred Ludke, 1950; Book AV 180

TT STA NO 27 TN 1930 857" (Described in line 3)	857.415
U. E., chiseled square (Described in line 3)	664.62

HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

COWAN QUADRANGLE  
132 KENTUCKY  
N3315-W8345/15  
DIAGRAM NJ 17-4  
HUNTINGTON

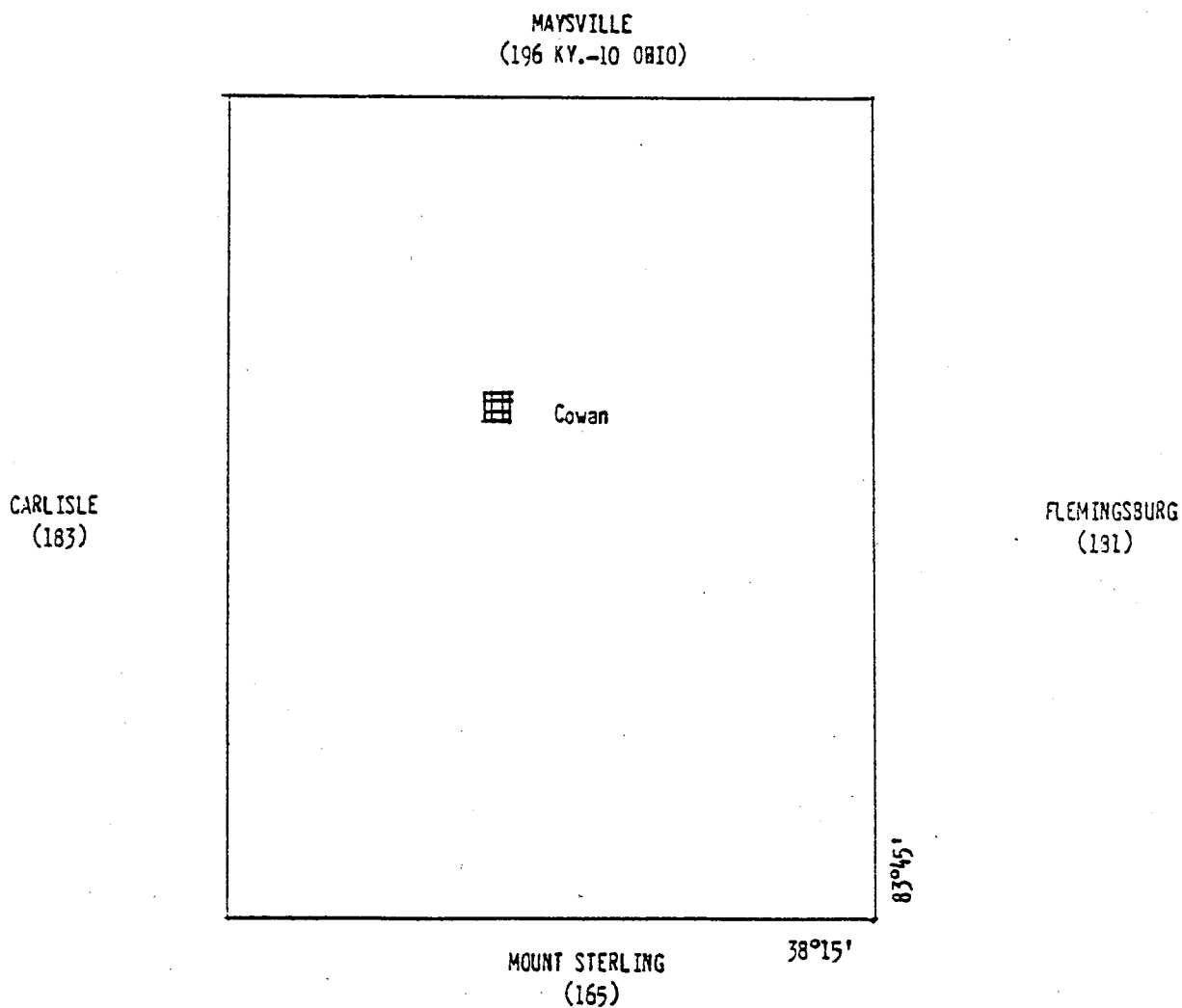
Bath, Fleming, Mason, Nicholas,  
and Robertson Counties

Edition of 5/16/77

PR: CRV/rmm

Plane coordinates are based on Lambert  
projection, Kentucky, North Zone

Only the permanent marks are  
listed for control classified  
obsolete and are not shown on  
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

182 KENTUCKY  
COVAN QUADRANGLE

38-083-34  
N3815-W8345/15

INDEX OF PERMANENT MARKS

MARK (USGS)

PAGE NO.

NOT STAMPED	5
TT STA NO 22 M 1929	3
TT STA NO 14 TN 1930 648	3
TT STA NO 15 TN 1930	3
TT STA NO 26 TN 1930 695	5
TT STA NO 27 TN 1930 857	3
TT STA NO 28 TN 1930	3
TT 46 TN 1930	3
TT 50 TN 1930	3
TT 53 TN 1930	5
TT 54 TN 1930 935	4
TT 56 TN 1930	4
TT 57 TN 1930 909	4
TT 58 TN 1930	4
TT 59 TN 1930	4
TT 60 TN 1930	4
TT 61 TN 1930	4
9 JDN 1949 771	5
10 JDN 1949 879	5
TT 37 DWP 1950	5
TT 38 DWP 1950	5

182. KENTUCKY  
COWAN QUADRANGLE

38-083-34

STATION DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By E. M. Thompson, 1930; Book C9282

Sherburne, 1.0 mi S. of, along East Fork Road; 40 ft W. of junction of private rd. SW.; 5 ft S. and 5 ft E. of NE. corner of frontyard of Charles Davis; in concrete post; standard tablet stamped "TT STA NO 14 TN 1930 648" (Reported destroyed, 1951)

X = 2,130,253

Y = 280,127

38 16 06.15

83 47 46.78

Bethel, 1.9 mi NE. of, along State Highway 11; 20 ft N. and 35 ft W. of centerline of hwy. at junction of T-rd. N.; 2 ft S. and 3 ft W. of SE. corner of field; 1 ft S. of fenceline; in concrete post; standard tablet stamped "TT STA NO 15 TN 1930" (Reported disturbed, 1951)

X = 2,118,836

Y = 279,253

38 15 58.04

83 50 09.98

By E. M. Thompson, 1930; Book C9288

Blue Licks Spring, 1.1 mi N. of, along U.S. Highway 68, thence 1.8 mi N. along State Highway 165, 40 ft N. of centerline of crossroads; 1 ft N. of fenceline; in field of Jessie Stewart; in concrete post; standard tablet stamped "TT STA NO 27 TN 1930 857"

X = 2,075,237

Y = 352,171

38 28 00.46

83 59 14.04

Mount Olivet, 1.5 mi E. of, along U.S. Highway 62, thence 4.3 mi SE.; at intersection of Blue Licks-Sardis and Ogden Ridge Roads; 30 ft N. of centerline of Blue Licks-Sardis Road; 100 ft E. of ford on Bakers Branch where new bridge is to be constructed; in SE. corner of field; in concrete post; standard tablet stamped "TT STA NO 28 TN 1930"

X = 2,078,783

Y = 359,404

38 29 11.86

83 58 29.18

By E. M. Thompson, 1930; Book C9297

Oakwood Church; 20 ft N. and 10 ft E. of NE. corner of; 18 ft E. of concrete walk to church; 34 ft S. of corner of Fleming, Mason, and Robertson Counties; in concrete post; standard tablet stamped "TT 46 TN 1930"

X = 2,091,461

Y = 361,375

38 29 30.94

83 55 49.65

Helena, 0.9 mi W. of, along State Highway 24; 84 ft N. and 21 ft W. of NW. corner of Louisville and Nashville Railroad station; 26 ft S. of gate on lot of W. W. Robb; in concrete post; standard tablet stamped "TT 50 TN 1930"

X = 2,131,444

Y = 362,205

38 29 37.48

83 47 26.70

Wedonia, 0.3 mi S. of, along State Highway 11; 33 ft N. and 20 ft E. of centerline of Highway 11 at junction of State Highway 24 E.; 5 ft W. of wire fence; in concrete post; standard tablet stamped "TT STA NO 22 M 1929"

X = 2,141,510

Y = 362,697

38 29 41.86

83 45 20.07



182 KENTUCKY  
COWAN QUADRANGLE

38-083-34

4

STATION DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE

LONGITUDE

OBSOLETE MARKS (Cont'd.)

By E. M. Thompson, 1930; Books C9297, C9364

Flemingsburg, 1.9 mi W. of; 35 ft N. and 30 ft E. of centerline of State Highway 32 at junction of T-rd. S.; 10 ft S. and 25 ft E. of gate of E. A. McKee; on fenceline; in concrete post; standard tablet stamped "TT 56 TN 1930"

X = 2,138,172

Y = 335,904

38 25 17.14

83 46 03.82

Elizaville; 3 ft N. and 10 ft W. of NE. corner of Presbyterian Church; 12 ft E. of front door of church; in concrete post; standard tablet stamped "TT 57 TN 1930 909"

X = 2,122,010

Y = 335,050

38 25 09.48

83 49 26.95

Elizaville, 2.1 mi SW. of, along State Highway 32; 1.7 mi NE. of Cowan; 450 ft SW. of iron bridge over Poplar Creek; 18 ft N. and 10 ft W. of centerline of hwy. at junction of private rd. W.; in NE. corner of field; in concrete post; standard tablet stamped "TT 58 TN 1930" (Reported destroyed, 1952)

X = 2,111,199

Y = 330,509

38 24 25.07

83 51 43.02

Cowan; 93 ft S. and 14 ft E. of SE. corner of post office and general store; 2 ft W. of fenceline on property of T. Alexander; in concrete post; standard tablet stamped "TT 59 TN 1930" (Not found, 1952)

X = 2,103,280

Y = 331,179

38 24 32.01

83 53 22.47

Myers, 2.3 mi NE. of, at Licking River, along L. & N. RR.; 420 ft N. of NW. corner of Bridge No. 82; 24 ft W. of W. rail; 41 ft E. of N. end of gate in lane; in concrete post; standard tablet stamped "TT 60 TN 1930"

X = 2,086,895

Y = 318,149

38 22 23.78

83 56 48.85

Myers, 0.5 mi S. of, along L. & N. RR.; at crossing of Scrubgrass Road; 250 ft S. and 56 ft W. of SW. corner of Bridge No. 83; 25 ft S. and 11 ft W. of stop signal; in concrete post; standard tablet stamped "TT 61 TN 1930" (Not found, 1952)

X = 2,083,204

Y = 307,312

38 20 36.73

83 57 35.63

By R. C. Darnell, 1950; Book AH 190

Tilton, 0.6 mi SE. of; 25 ft N. and 10 ft E. of centerline of rd. at junction of T-rd. E. to Hillsboro; 15 ft E. of SW. corner of pasture; in concrete post; standard tablet stamped "TT 54 TN 1930 935" (Reported disturbed, 1952)

X = 2,141,081

Y = 305,200

38 20 13.46

83 45 29.33

STATION DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE

LONGITUDE

OBSOLETE MARKS (Cont'd.)

Tilton; 60 ft W. of centerline of State Highway 11; 34 ft NE. of NE. corner of Christian Church; 10 ft N. of large maple tree; 3 ft W. of concrete walk; in concrete post; standard tablet stamped "10 JDN 1949 879"

X = 2,140,820

Y = 309,098

38 20 52.01

83 45 32.34

Flemingsburg, 5.6 mi S. of; 1.3 mi N. of Tilton; 16 ft S. and 18 ft W. of centerline of Highway 11 at junction of driveway to barn; 150 ft SE. of E. corner of large barn; on bank 3 ft W. of fence; in concrete post; standard tablet stamped "9 JDN 1949 771"

X = 2,140,488

Y = 313,517

38 21 35.71

83 45 36.22

Flemingsburg, 3.8 mi SW. of, along State Highway 11; 0.2 mi S. of iron bridge over Fleming Creek; 2.1 mi N. of Tilton; 20 ft E. of centerline of hwy. at junction of private T-rd. E. through yellow gate; in concrete post; standard tablet stamped "11 53 IN 1930" (Not found, 1952)

X = 2,143,172

Y = 317,154

38 22 11.53

83 45 02.28

By D. W. Pinkston, 1950; Book AH 200

Blue Licks Spring, 0.5 mi NE. of, along U.S. Highway 68; 25 ft W. of centerline of hwy.; 210 ft N. of walk to front entrance of Battle Grounds Church; 25 ft S. and 10 ft W. of trunk of dead tree with sign "Blue Licks Battle Grounds State Park No. 5"; 48 ft N. and 30 ft E. of fence corner; in concrete post; standard tablet stamped "11 STA NO 26 TN 1930 695"

X = 2,073,836

Y = 338,346

38 25 43.83

83 59 32.14

Blue Licks Spring; 9 ft S. and 7 ft E. of N. end of steel bridge over Licking River; cemented in top of retaining wall of upstream NE. abutment; standard gaging station tablet not stamped

X = 2,071,975

Y = 335,965

38 25 20.35

83 59 55.59

Carlisle, 0.5 mi E. of Nicholas County Courthouse, along State Highway 36, thence 3.3 mi SE.; 3.5 mi NW. of East Union; 97 ft S. and 8 ft W. of junction of T-rd. W.; 16 ft W. of centerline of macadam rd.; 2 ft N. of corner post; in concrete post; standard tablet stamped "11 37 DWP 1950"

X = 2,072,591

Y = 282,992

38 16 36.66

83 59 49.69

Carlisle, 0.5 mi E. of Nicholas County Courthouse, along State Highway 36, thence 5.1 mi SE.; 1.7 mi NW. of East Union; 500 ft N. of tobacco barn on top of hill; 100 ft SW. of two-story farmhouse; 12 ft S. and 4 ft E. of centerline of rd. at fenceline NW. along E. side of yard; 22 ft E. of 40-in. elm tree; 7 ft N. of telephone pole; 2 ft S. of wire fence; in concrete post; standard tablet stamped "11 38 DWP 1950"

X = 2,076,689

Y = 276,692

38 15 34.26

83 58 58.52